



Patents

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1	Method for Implantation and Differentiation of MSCs <i>Issued March 30, 1993</i>	US 5,197,985 Full patent text
2	Method for Treating Connective Tissue Disorders <i>Issued July 13, 1993</i>	US 5,226,914 Full patent text
3	Human Mesenchymal Stem Cells <i>Issued January 23, 1996</i>	US 5,486,359 Full patent text
4	Transduced Mesenchymal Stem Cells <i>Issued January 7, 1997</i>	US 5,591,625 Full patent text
5	Monoclonal Antibodies for Human Osteogenic Cell Surface Antigens <i>Issued July 1, 1997</i>	US 5,643,736 Full patent text
6	Enhancing Marrow Engraftment using MSCs <i>Issued March 31, 1998</i>	US 5,733,542 Full patent text
7	Lineage-Directed Induction of hMSC Differentiation <i>Issued April 7, 1998</i>	US 5,736,396 Full patent text
8	Connective Tissue Regeneration Using hMSC Preparations <i>Issued September 22, 1998</i>	US 5,811,094 Full patent text
9	Adipogenic Differentiation of Human MSCs <i>Issued October 27, 1998</i>	US 5,827,740 Full patent text
10	Monoclonal Antibodies for Human MSCs <i>Issued November 17, 1998</i>	US 5,837,539 Full patent text
11	Biomatrix for Soft Tissue Regeneration <i>Issued January 5, 1999</i>	US 5,855,619 Full patent text
12	Chemically Defined Medium for hMSCs <i>Issued June 1, 1999</i>	US 5,908,782 Full patent text
13	In Vitro Chondrogenic Induction of hMSCs <i>Issued June 1, 1999</i>	US 5,908,784 Full patent text
14	Lineage-Directed Induction of hMSC Differentiation <i>Issued August 24, 1999</i>	US 5,942,225 Full patent text
15	Isolating MSCs Associated with Megakaryocytes <i>Issued October 12, 1999</i>	US 5,965,436 Full patent text
16	Enhancing Hematopoietic Progenitor Engraftment Using MSCs <i>Issued January 4, 2000</i>	US 6,010,696 Full patent text
17	Ligands that Modulate MSC Differentiation	US 6,022,540

	<i>Issued February 8, 2000</i>	Full patent text
18	In vitro Maintenance of Hematopoietic Stem Cells <i>Issued February 29, 2000</i>	US 6,030,836 Full patent text
19	Monoclonal Antibodies for Human MSCs <i>Issued July 11, 2000</i>	US 6,087,113 Full patent text
20	Antigen Presenting Cells of the Adipocyte Lineage <i>Issued November 21, 2000</i>	US 6,149,906 Full patent text
21	Biomatrix for Soft Tissue Regeneration Using MSCs <i>Issued January 16, 2001</i>	US 6,174,333 Full patent text
22	Production of Megakaryocytes by the Use of Human Mesenchymal Stem Cells <i>Issued May 1, 2001</i>	US 6,225,119 Full patent text
23	Inhibition of Osteoclastogenesis <i>Issued May 29, 2001</i>	US 6,239,157 Full patent text
24	Regulation of Hematopoietic Stem Cell Differentiation by the Use of Human Mesenchymal Stem Cells <i>Issued July 3, 2001</i>	US 6,255,112 Full patent text
25	Human Mesenchymal Stem Cells from Peripheral Blood <i>Issued July 17, 2001</i>	US 6,261,549 Full patent text
26	A Method of Preparing Suppressor T Cells with Allogeneic MSCs <i>Issued August 28, 2001</i>	US 6,281,012 Full patent text
27	Adipogenic Differentiation of hMSCs <i>Issued November 27, 2001</i>	US 6,322,784 Full patent text
28	MSCs for the Prevention and Treatment of Immune Responses in Transplantation <i>Issued December 11, 2001</i>	US 6,328,960 Full patent text
29	Human Slit Polypeptide and Polynucleotide Encoding Same <i>Issued January 29, 2002</i>	US 6,342,370 Full patent text
30	Uses for Non-autologous Mesenchymal Stem Cells <i>Issued March 12, 2002</i>	US 6,355,239 Full patent text
31	Polynucleotides Encoding Human HOX C10 <i>Issued March 19, 2002</i>	US 6,358,702 Full patent text
32	Mesenchymal Stem Cells for Prevention and Treatment of Immune Responses in Transplantation <i>Issued April 9, 2002</i>	US 6,368,636 Full patent text
33	Ligands That Modulate Differentiation of MSCs <i>Issued April 30, 2002</i>	US 6,379,953 Full patent text
34	Cardiac Muscle Regeneration Using Mesenchymal Stem Cells <i>Issued May 14, 2002</i>	US 6,387,369 Full patent text
35	Human Mesenchymal Stem Cells <i>Issued May 14, 2002</i>	US 6,387,367 Full patent text
36	Biological Material for the Repair of Connective Tissue Defects Comprising Mesenchymal Stem Cells and Hyaluronic Acid Derivative <i>Issued November 19, 2002</i>	US 6,482,231 Full patent text
37	Multilayer Skin or Dermal Equivalent Having a Layer Containing Mesenchymal Stem Cells	US 6,497,875 Full patent text

Issued December 24, 2002

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Multilayer Skin or Dermal Regeneration and Augmentation of Bone
Using Mesenchymal Stem Cells
Issued April 1, 2003

US 6,541,024

[Full patent text](#)

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